GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:3988
ANSWERED ON:23.12.2015
Research on Sequestration
Chavan Shri Harishchandra Deoram;George Shri (Adv.) Joice

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether the Government proposes to give thrust to carbon sequestration research through Governmental support;

(b) if so, the steps taken by the Government to accelerate pace of work in this regard;

(c) whether the Government proposes to improve rural livelihoods through this research by adopting environment friendly technology based agro-forestry practices;

(d) if so, the details thereof;

(e) whether the Government has received international funding/support in this regard and if so, the details thereof during each of the last three years and the current year; and

(f) whether in India, the energy sector is the largest emitter of Carbon-dioxide and if so, the strategy adopted by the Government for reduction of Carbon-dioxide in energy sector?

Answer

MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES
(SHRI.Y. S. CHOWDARY)

(a) & (b): Yes, Madam. National Programme on CO2 sequestration research was launched in 2007 by the Department of Science & Technology (DST), Government of India as a national initiative to promote and support R& D in areas of carbon sequestration in the country. So far, 120 projects have been supported in various academic and R & D institutions in the country.

(c) No, Madam.

(d) Does not arise.

(e) No, Madam.

(f) Government of India has taken various measures such as installation of supercritical coal based units to reduce Carbon Dioxide emission from coal based power plants, enhance hydro power and renewable, and retire inefficient power plants. There has been a reduction of CO2 emission per unit of electricity generation in recent years. Although the total CO2 emissions are increasing due to large capacity addition of coal based plants in the country, the specific CO2 emissions from these plants are showing a decreasing trend due to adoption of more efficient generation technologies. In addition, there are several initiatives taken by Bureau of Energy Efficiency, Ministry of Power for energy conservation resulting in reduction of carbon-dioxide emission.

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